UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



Region 6 Laboratory
Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
hone: (281)983-2100 Fax: (281)983-2248 Phone: (281)983-2100

Final Analytical Report

	Site Name	Oil Trust Fund
	Sample Collection Date	te(s) 06/30/10
	Contact	Rich Mayer (6PD-F)
	Report Date	07/06/10
	Project #	10REG187
	Work Order(s)	1007001
Analyses included in this	report:	
LC DOSS		
Report Narrative		
~		
Sample Management:		
Sample 1007001-02 w	as received at 9°C.	
	le results. The results appl	ality control were followed in the analysis and y only to the samples tested. This final report
Reporting limits are ad	ljusted for sample size and r	matrix interference.
Report Approvals:		
Richard McMillin Region 6 Laboratory Mar	nager	David Neleigh Region 6 Laboratory Branch Chief

THITED STATES

Please provide a reason for holding:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund	Project Number: 10REG187
Data Management Coordinator: Christy Warren	/ /
	Date
Data Management Coordinator Signature	Date
Date Transmitted:/	
Please have the U.S. EPA Project Manager/Office comments or questions.	er call the Data Management Coordinator at 3-2137 for any
Please sign and date this form below and return it	with any comments to:
Christy Warren Data Management Coordinator Region 6 Laboratory 6MD-HS	
Received by and Date	
Comments:	
The laboratory routinely disposes of samples 90 d hold these samples in custody longer than 90 days	lays after all analyses have been completed. If you have a need to s, please sign below.
Signature	Date



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T001-2001-100630-SW-1	1007001-01	Liquid	6/30/10 8:56	07/01/10 09:05
T007-BG04-100630-SW-1	1007001-02	Liquid	6/30/10 10:40	07/01/10 09:05

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Region 6 Laboratory

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DOSS by LC/MS/MS

Lab ID: 1007001-01 Station ID: T001-2001-100630-SW-1

Batch: B0G0102 Date Collected: 06/30/10 Sample Volume: 28 ml Sample Type: Liquid

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	
Surr: DOSS-D34	249		94.0	70-130	07/01/10	07/01/10	
Towarta							

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/01/10 07/01/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1007001-02 Station ID: T007-BG04-100630-SW-1

Batch: B0G0102 Date Collected: 06/30/10 Sample Type: Liquid Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared A	nalyzed
Surr: DOSS-D34	317		94.3	70-130	07/01/10	07/01/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared A	nalyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	IJ		19.1	1	07/01/10 0	07/01/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS - Quality Control

Batch: B0G0102 Sample Type: Liquid

Blank (**B0G0102-BLK1**)

Prepared: 7/1/2010 Analyzed: 7/1/2010

Surrogates

	ANIAI X/TE		Analyte	Spike	o/ DEG	%REC
	ANALYTE	μg/l	Qualifier	Level	%REC	Limits
,	Surr: DOSS-D34	361		370	97.7	70-130

Blank (**B0G0102-BLK1**)

Prepared: 7/1/2010 Analyzed: 7/1/2010

Targets

ANALYTE		Analyte Reporting Qualifiers Limit
Dioctyl sulfosuccinate, sodium	U	20.0

salt

LCS (B0G0102-BS1)

Prepared: 7/1/2010 Analyzed: 7/1/2010

Surrogates

	Result	Analyte	Spike		%REC
ANALYTE	μg/l	Qualifier	Level	%REC	Limits
Surr: DOSS-D34	348		370	94.0	70-130

LCS (B0G0102-BS1)

Prepared: 7/1/2010 Analyzed: 7/1/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit		%REC %REC Limits	
Dioctyl sulfosuccinate, sodium salt	111	20.0	100	111 50-150	

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DOSS by LC/MS/MS - Quality Control

Batch: B0G0102 Sample Type: Liquid

Duplicate (B0G0102-DUP1)

Prepared: 7/1/2010 Analyzed: 7/1/2010 Source: 1007001-01

Surrogates

ANALYTE	Result	Analyte	Spike	%REC
	µg/l	Qualifier	Level	%REC Limits
Surr: DOSS-D34	226		218	104 70-130

Duplicate (B0G0102-DUP1)

Prepared: 7/1/2010 Analyzed: 7/1/2010 Source: 1007001-01

Targets

ANALYTE		Analyte Reporting Spike Qualifiers Limit Level		RPD RPD Limit
Dioctyl sulfosuccinate, sodium	U	19.4	U	30

Matrix Spike (B0G0102-MS1)

Prepared: 7/1/2010 Analyzed: 7/1/2010 Source: 1007001-02

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	331		352	94.0	70-130

Matrix Spike (B0G0102-MS1)

Source: 1007001-02 Prepared: 7/1/2010 Analyzed: 7/1/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit	Spike Level	Source Result	%REC	%REC Limits	
Dioctyl sulfosuccinate, sodium salt	111	19.5	95.2	U	117	50-150	

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Laboratory **Environmental Protection Agency** Region

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

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Contact Kristie Warr

Phone: 713.985.6636

Special Instructions:

CHAIN OF CUSTODY RECORD

No: T0033-100403-06/30/10-0113

R06_Deepwater_Grand_Isle

Lab: U.S. EPA Region 6 Laboratory

Lab Phone: 281-983-2137

Lab#	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Preservative	MS/MSD ROT
	T007-BG04-100630-SW-1	DOSS	Surface Water	Grab	6/30/2010	10:40	28	4.C	1
							07	7.0	IN
_									
	14.3				-				
									_
					_				
_									
	7			_					
									
					-				

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All	ack.	6/3/0	My ,	5/20/10	16:10		May A	9:05	15akh	7/1/	9:0
	ag &	(5x/15)	all of	13/5	2230		· · · · · · · · · · · · · · · · · · ·	7-1-10	Traris	1710	1 5
	AUL	1/1/10	En M	7-1-10	450						
(Galla.	7-1-10	Marti 1	7-1-10	813						
	0000								0		_

Sample Jenp = 90C

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY#



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Environmental Protection Agency Region 6 Laboratory

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Kristie Warr

713-985-6600 US EPA/Weston Venice, LA CHAIN OF CUSTODY RECORD

R06 Deep H2O Horizon Reporting Lab: EPA Houston Lab Lab_State: TX No: T0001-100405-06/30/10-0515

Lab Address: 10625 Fallstone Rd Lab_City: Houston Lab_Zip: 77099

.ab#	Sample #			Analyses	Matrix	Colle ction Meth od	Collected	d Sampl e Time		Preservat ive	MS/M SD	Description		
	T001-2001	-100630-SW-1		DOSS		Surface	Grab	6/30/2010	08:56	2	4 C	N	DOSS	
						_								
										SAMPLES :	TRANSFER	RED FRO	M	
pecial	nstructions:									CHAIN OF				
Items	Reason	Relinquished by	Date	Received by	Date	Time	Items/Rea	ison Re	linquished	By Date	Red	eived by	Date	Time
	(Imericaldo	6/30/10	Courrier	6/30/10			uli	illie 1	1. 200,	and a		6-30-10	230
		1111	04/50			11.00		1.1	out 1	9:0	5 15a	ich	7/1/2	alul
	4	eng	1/10	7/1	71-10	470		IV	M. Then	F 7-1-	10 Has	rn's	1710	7.05
	_ <		1/10	Marti	(8-1-10	813								
	0	X	1											
		-)								1.		Deryo:	

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Notes and Definitions

Α This sample was extracted at a single acid pH.

HTS Sample was prepared and/or analyzed past recommended holding time. Concentrations should be

considered minimum values.

AES Atomic Emission Spectrometer

CVAA Cold Vapor Atomic Absorption

ECD Electron Capture Detector

GC Gas Chromatograph

GFAA Graphite Furnace Atomic Absorption

ICP Inductively Coupled Plasma

MS Mass Spectrometer

NA Not Applicable

NPD Nitrogen Phosphorous Detector

NR Not Reported

TCLP Toxicity Characteristic Leaching Procedure

Undetected U

Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds per square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

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